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TSUNOKAI YASUO**(54) NORBORNENE TYPE ADDITION COPOLYMER HAVING UNSATURATED BOND AND METHOD FOR PREPARING NORBORNENE TYPE ADDITION POLYMER****(57)Abstract:**

PROBLEM TO BE SOLVED: To provide a method of addition polymerizing (a) a norbornene type monomer having a carbon-carbon unsaturated bond in addition to a norbornene ring with high activity as in the case of (b) another norbornene type monomer such as 2-norbornene, and norbornene copolymers obtained by copolymerizing the monomer (a) at any ratio.

SOLUTION: Norbornene type monomers are polymerized with the use of a polymerization catalyst composed of (A) a compound of a group 10 transition metal in the periodic table having an alkyl group or an aryl group and a neutral electron donative monodentate ligand and (B) a Lewis acid.

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